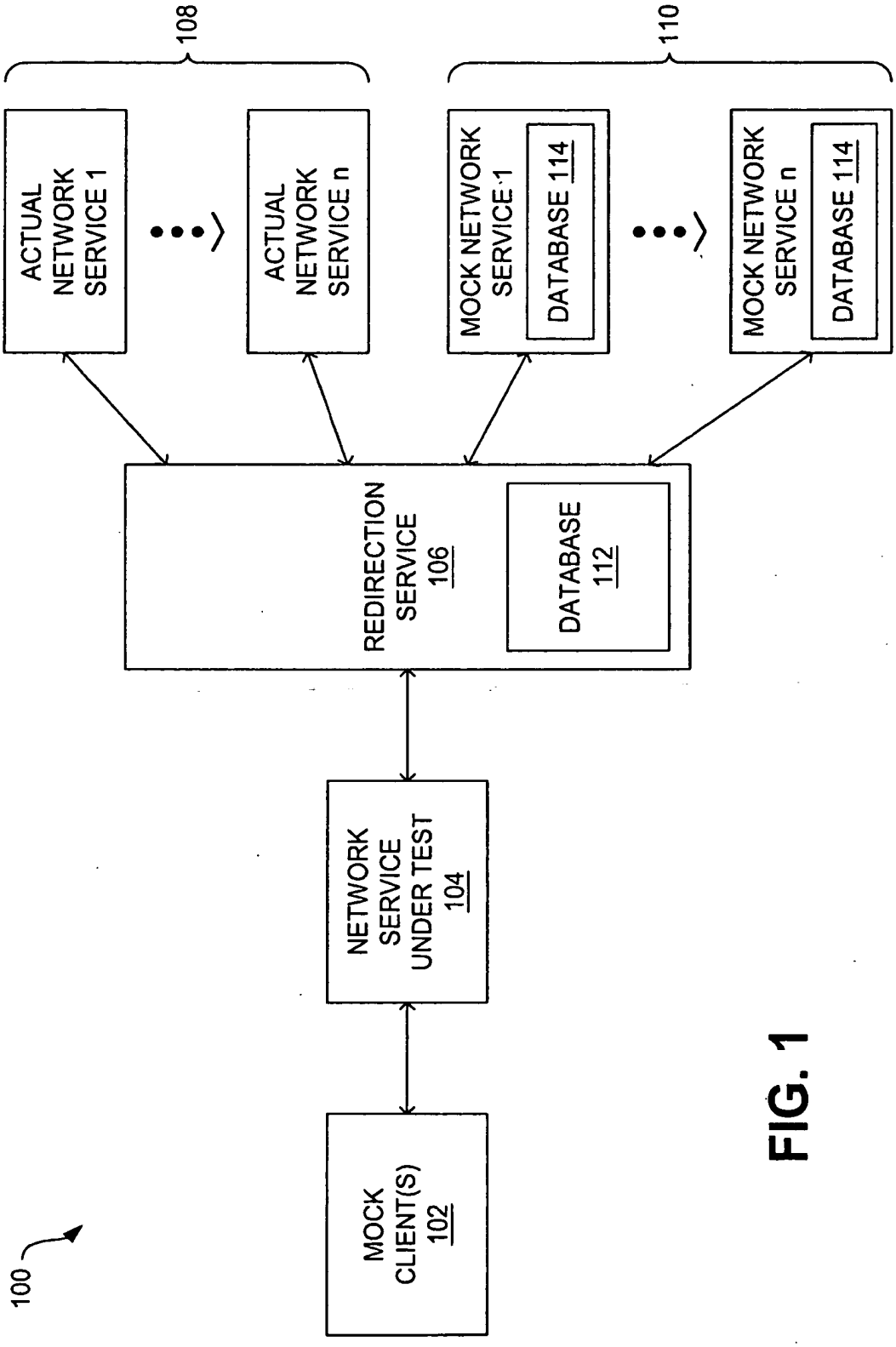
108
110
ACTUAL NETWORK SERVICE 1
ACTUAL NETWORK SERVICE n
MOCK NETWORK SERVICE 1
DATABASE 114
MOCK NETWORK SERVICE n
DATABASE 114
REDIRECTION SERVICE 106
DATABASE 112
NETWORK SERVICE UNDER TEST 104
MOCK CLIENT(S) 102
100

FIG. 1

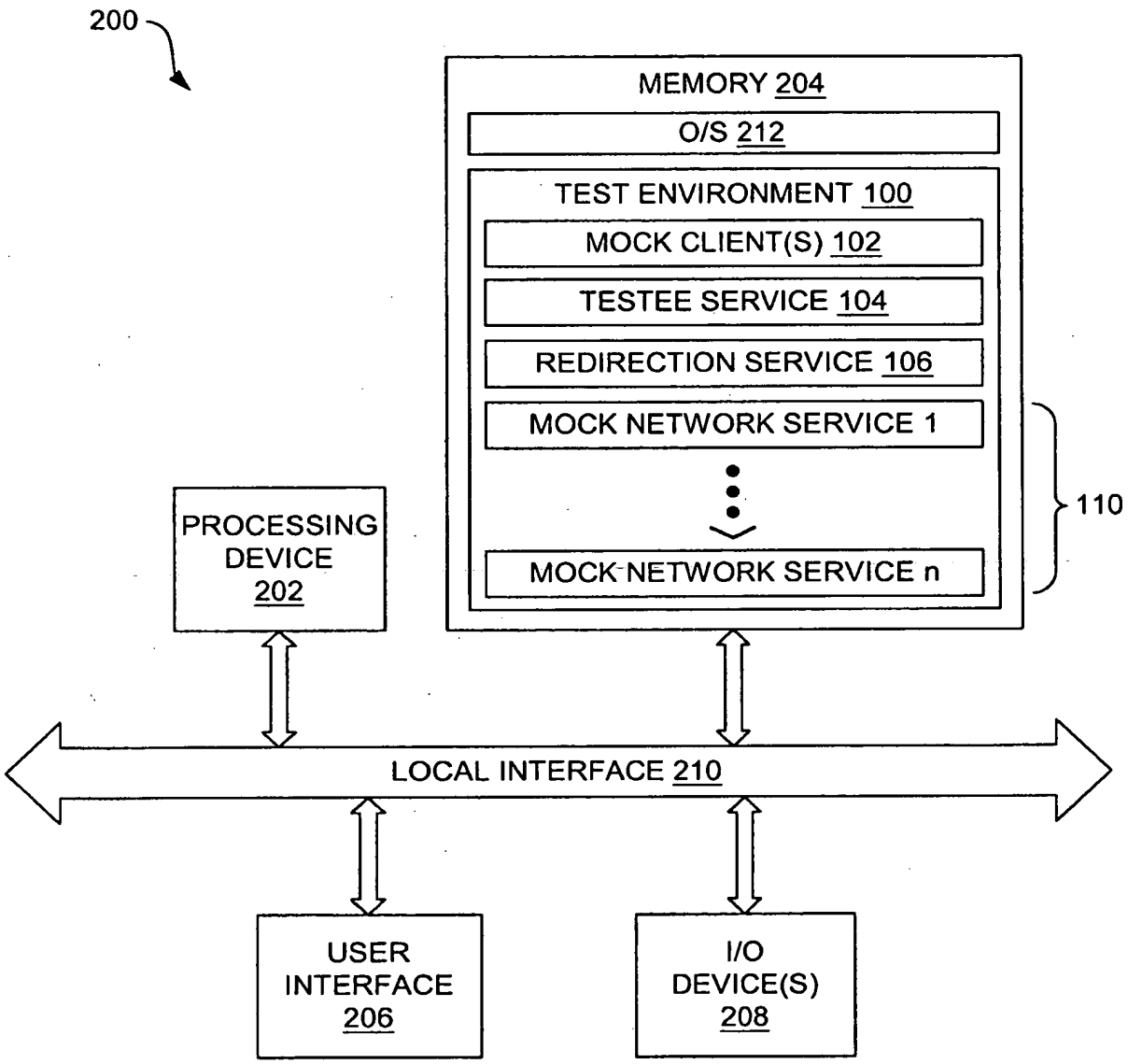
200
MEMORY 204
O/S 212
TEST ENVIRONMENT 100
MOCK CLIENT(S) 102
TESTEE SERVICE 104
REDIRECTION SERVICE 106
MOCK NETWORK SERVICE 1
MOCK NETWORK SERVICE n
110
PROCESSING DEVICE 202
LOCAL INTERFACE 210
USER INTERFACE 206
I/O DEVICE(S) 208

FIG. 2

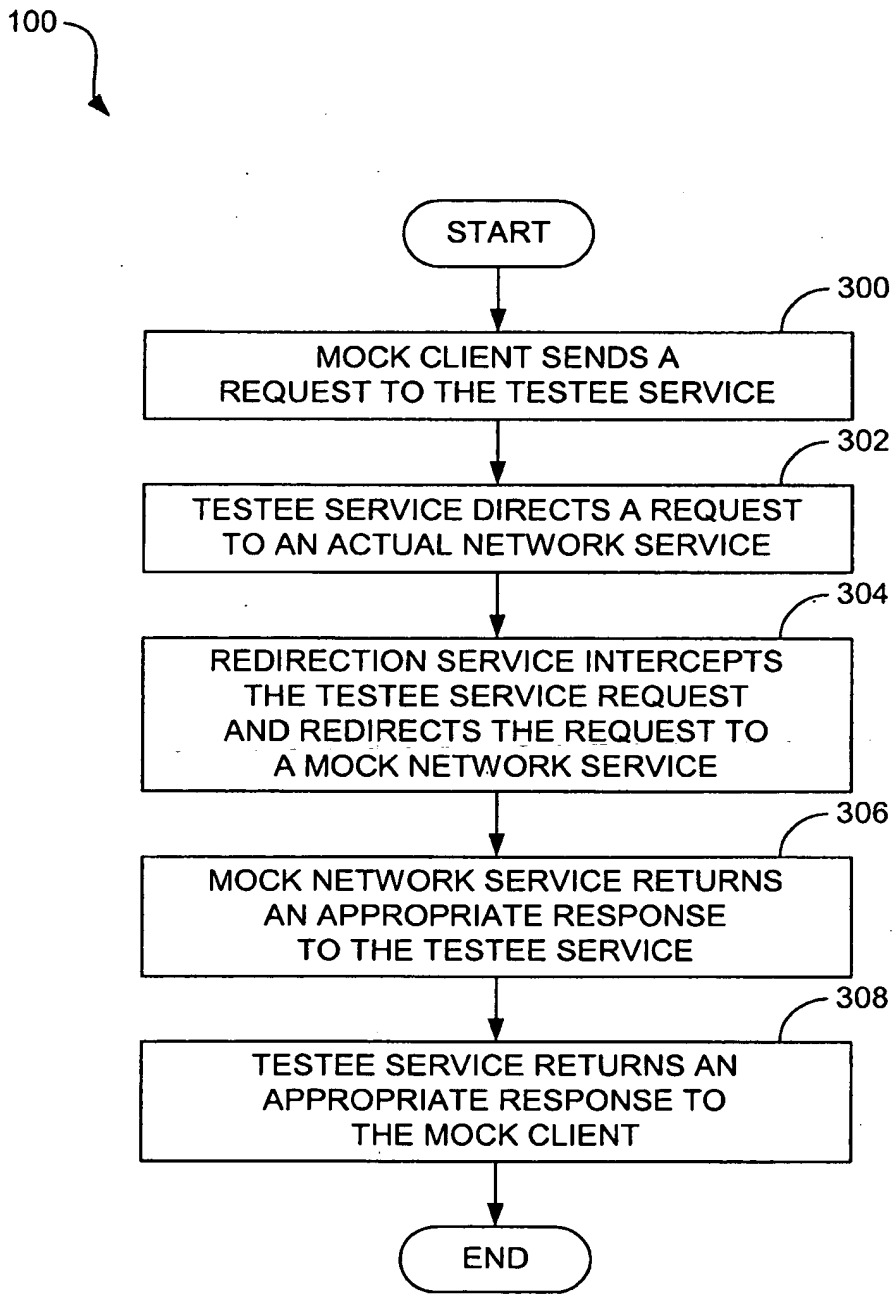
100
START
300
MOCK CLIENT SENDS A REQUEST TO THE TESTEE SERVICE
302
TESTEE SERVICE DIRECTS A REQUEST TO AN ACTUAL NETWORK SERVICE
304
REDIRECTION SERVICE INTERCEPTS THE TESTEE SERVICE REQUEST AND REDIRECTS THE REQUEST TO A MOCK NETWORK SERVICE
306
MOCK NETWORK SERVICE RETURNS AN APPROPRIATE RESPONSE TO THE TESTEE SERVICE
308
TESTEE SERVICE RETURNS AN APPROPRIATE RESPONSE TO THE MOCK CLIENT
END

FIG. 3

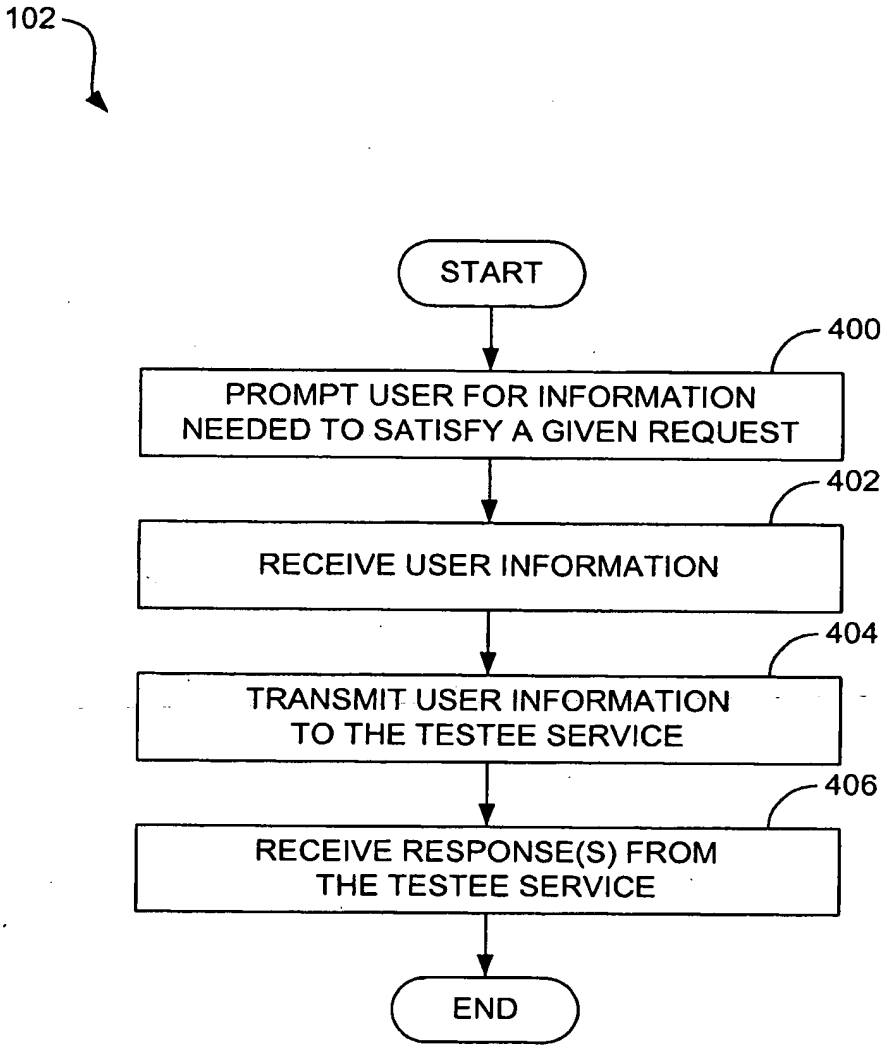
102
START
400
PROMPT USER FOR INFORMATION NEEDED TO SATISFY A GIVEN REQUEST
402
RECEIVE USER INFORMATION
404
TRANSMIT USER INFORMATION TO THE TESTEE SERVICE
406
RECEIVE RESPONSE(S) FROM THE TESTEE SERVICE
END

FIG. 4

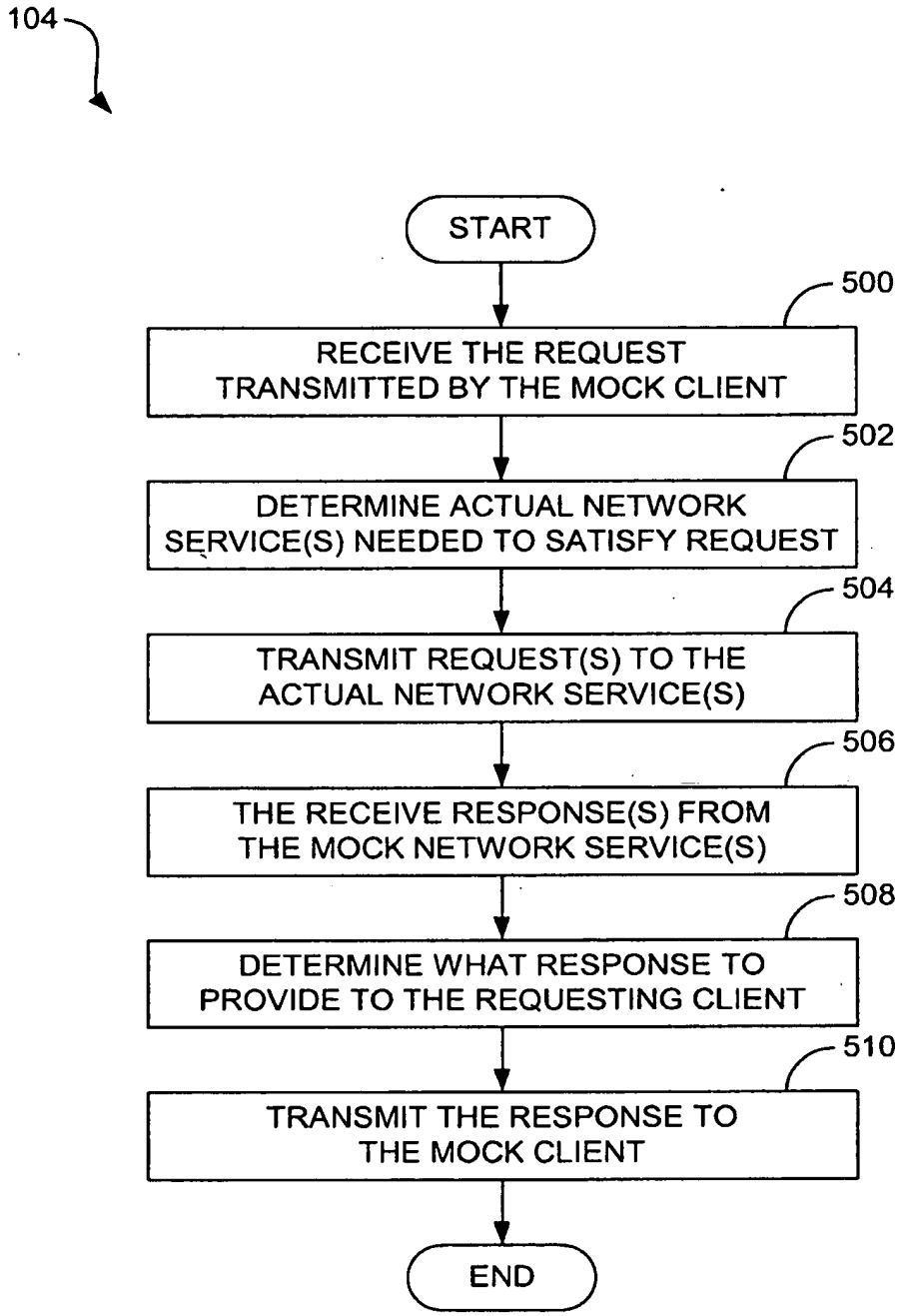
104
START
500
RECEIVE THE REQUEST TRANSMITTED BY THE MOCK CLIENT
502
DETERMINE ACTUAL NETWORK SERVICE(S) NEEDED TO SATISFY REQUEST
504
TRANSMIT REQUEST(S) TO THE ACTUAL NETWORK SERVICE(S)
506
THE RECEIVE RESPONSE(S) FROM THE MOCK NETWORK SERVICE(S)
508
DETERMINE WHAT RESPONSE TO PROVIDE TO THE REQUESTING CLIENT
510
TRANSMIT THE RESPONSE TO THE MOCK CLIENT
END

FIG. 5

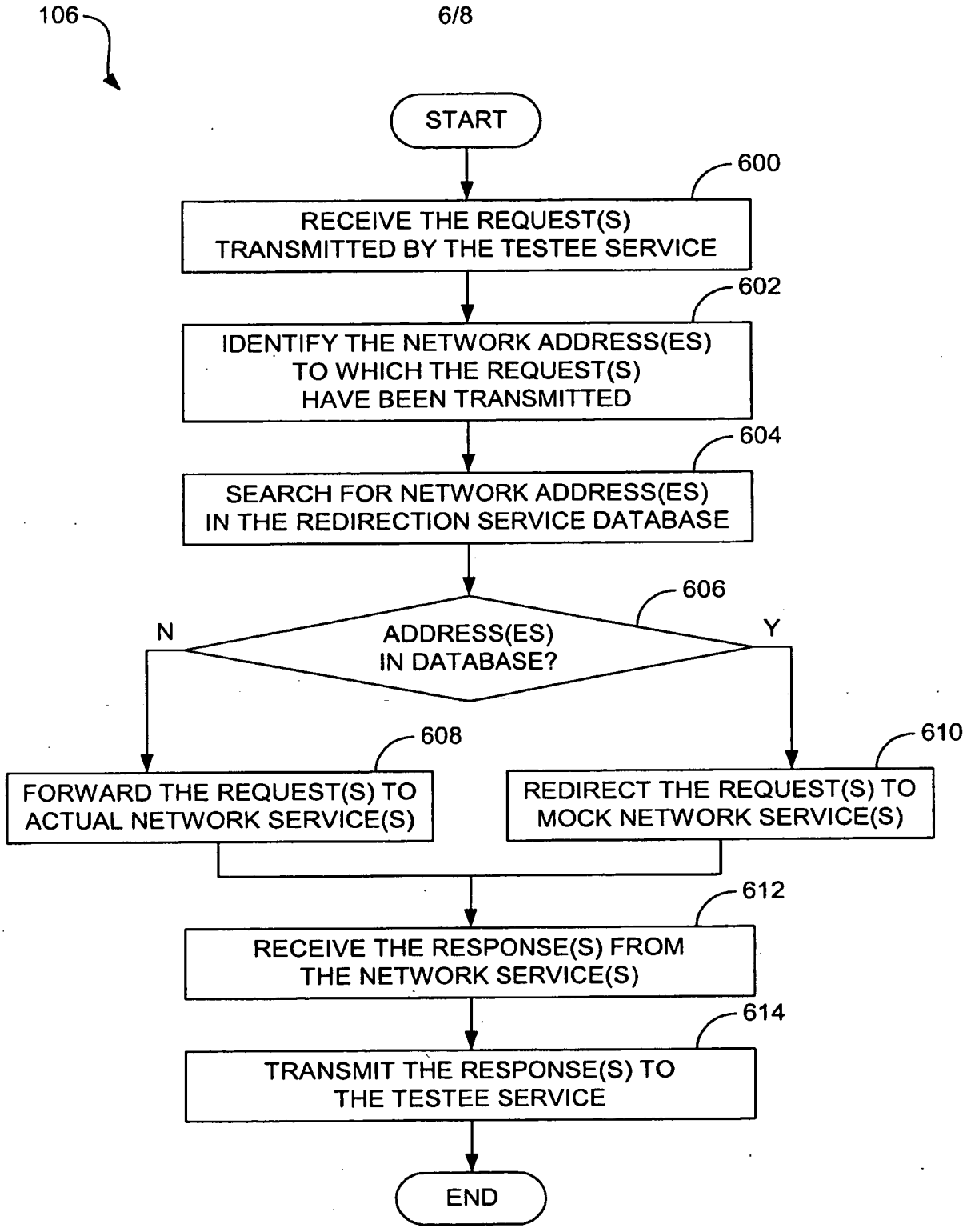
106
START
600
RECEIVE THE REQUEST(S) TRANSMITTED BY THE TESTEE SERVICE
602
IDENTIFY THE NETWORK ADDRESS(ES) TO WHICH THE REQUEST(S) HAVE BEEN TRANSMITTED
604
SEARCH FOR NETWORK ADDRESS(ES) IN THE REDIRECTION SERVICE DATABASE
606
ADDRESS(ES) IN DATABASE?
N
Y
608
FORWARD THE REQUEST(S) TO ACTUAL NETWORK SERVICE(S)
610
REDIRECT THE REQUEST(S) TO MOCK NETWORK SERVICE(S)
612
RECEIVE THE RESPONSE(S) FROM THE NETWORK SERVICE(S)
614
TRANSMIT THE RESPONSE(S) TO THE TESTEE SERVICE
END

FIG. 6

112

700 702

ACTUAL NETWORK SERVICE ADDRESSES	MOCK NETWORK SERVICE ADDRESSES
http://provider1.com/longdist . . .	http://localhost/abc1/xyz . . .
http://provider2.com/servplan . . .	http://localhost/abc2/xyz . . .
http://provider3.com/long/serv . . .	http://localhost/abc3/xyz . . .
http://provider4.com/longdist . . .	http://localhost/abc4/xyz . . .
http://provider5.com/plans/long . .	http://localhost/abc5/xyz . . .
⋮	⋮

FIG. 7

114

900 900 900 902

CALLER LOCATION	DAY OF WEEK	CALL TIME	•••	RESPONSE
ZONE A	WEEKDAY	PEAK		PROVIDER Y, PLAN 2
ZONE A	WEEKEND	OFF-PEAK		PROVIDER X, PLAN 1
ZONE A	WEEKDAY	OFF-PEAK		PROVIDER Y, PLAN 3
ZONE A	WEEKEND	PEAK		PROVIDER Z, PLAN 1
ZONE B	WEEKDAY	PEAK		PROVIDER X, PLAN 2
ZONE B	WEEKEND	OFF-PEAK		PROVIDER Z, PLAN 3
⋮	⋮	⋮		⋮

FIG. 9

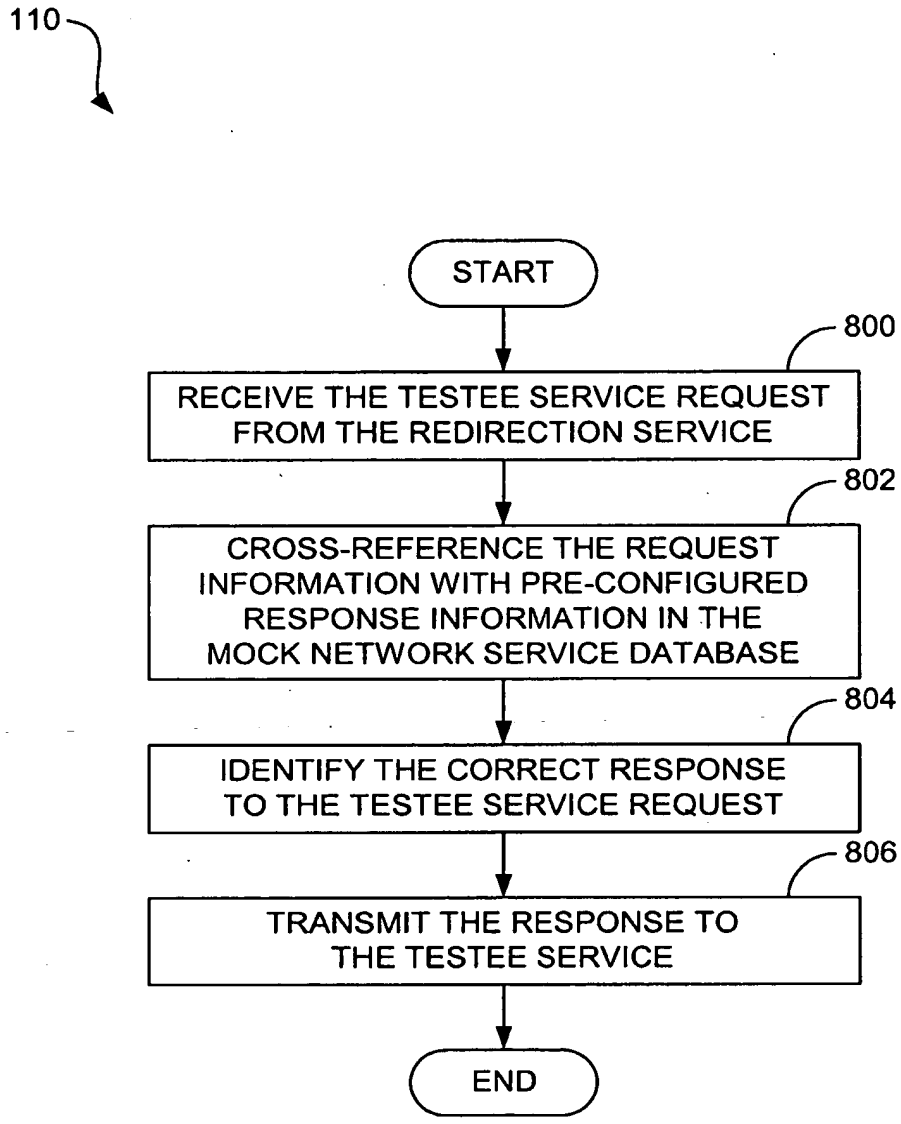
110
START
800
RECEIVE THE TESTEE SERVICE REQUEST FROM THE REDIRECTION SERVICE
802
CROSS-REFERENCE THE REQUEST INFORMATION WITH PRE-CONFIGURED RESPONSE INFORMATION IN THE MOCK NETWORK SERVICE DATABASE
804
IDENTIFY THE CORRECT RESPONSE TO THE TESTEE SERVICE REQUEST
806
TRANSMIT THE RESPONSE TO THE TESTEE SERVICE
END

FIG. 8